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10/722,383

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Matti Salmi

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WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP

BRADFORD GREEN, BUILDING 5

755 MAIN STREET, P O BOX 224

MONROE, CT 06468

EXAMINER

BASEHOAR, ADAM L

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/722,383

Applicant(s)

SALMI ET AL.

Examiner

ADAM L. BASEHOAR

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SF/ICE)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to communications: The Amendment filed 08/27/08.
2. The rejection of claims 6, 16, and 24 under 35 U.S.C. 112, second paragraph has been withdrawn as necessitated by Amendment.
3. The objection to the specification has been withdrawn as necessitated by Amendment.
4. The rejection of claims 1-32 under 35 U.S.C. 103(a) as being unpatentable over Furon et al (US-2006/0052118 03/09/06) in view of Hull et al (US-2005/0010409 01/13/05) has been withdrawn as necessitated by Amendment.
5. Claims 1-32 are pending in the case. Claims 1, 11, 22, 28, 29, and 31 are independent claims.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Furon et al (US-2006/0052118 03/09/06) in view of Lowitz et al (US-5,485,554 01/16/96).

-In regard to independent claims 1, 11, 22, 28, and 29, Furon teaches a device, method, system, and computer program product, for printing an electronic presentation, the method comprising steps for processing a presentation data (Paragraph 28: i.e. “multimedia messages”; Paragraph 34: “selected messages 21, 23, 24 make up for

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example a story...successively in time”), wherein the method comprises steps for forming at least one printable output (Paragraph 40: “a printer 16 produces the composite multimedia message”)(Fig. 1: 16; “printer”) from said electronic presentation of a single message (Paragraph 28: “of one...multimedia messages”) that comprises multiple objects (Paragraph 28: “digital image, the text associated with said image and a sound or audio message”; Paragraph 31: “an initial multimedia message comprises a digital image, and either at least one text message and/or one sound message....still or animated (video clip)”) with selected objects for presentation one after another in time and sometimes at the same time (i.e. text, audio, and still image presented at the same time, while the animated video was presented as images one after another in time), by defining combined page or separate pages for said printable objects (Paragraph 28: “automatic layout, on a single page, or even several pages, or one...multimedia messages”; Paragraph 40: “automatically lays out, on at least one page....composite multimedia message...from each transformed...message”) whereby the printable output was formable into said combined page or separate pages depending on removal of irrelevant objects (Paragraph 35; Paragraph 38: “only keeping one part of the text or text parts forming said initial messages” and “where the multimedia message comprises an image that is a video clip....determination...of a key image of said video clip...included in a composite...message”; Paragraph 39: “only the key parts of the initial messages are kept”), conversion of continuous objects into non-continuous objects (Paragraph 38: “where the multimedia message comprises an image that is a video clip....determination...of a key image of said video clip...included in a composite...message”), based on upon a temporal aspect (Paragraph 1: “automatic layout

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is performed from analysis of various...messages....especially includes characteristics of time”; Paragraph 34: “sequential analysis”) and spatial aspect for each of said multiple objects for use in said defining said combined page or separate pages (Paragraph 1: “automatic layout is performed from analysis of various...messages....especially includes characteristics of...contents, or even context”; Paragraph 35: “semantic analysis”; Paragraph 37: “relational analysis...correspondences to be established between images, texts, and sounds form each of the various selected...messages”) including whether said multiple objects overlap (e.g. text and audio don't overlap, while video does overlap).

Furon et al does not specifically teach wherein the said multiple objects overlap a same spatial region for presentation at different times and if so defining a separate page for an earlier presentation object that overlaps said same spatial region for a later presentation object to avoid a presentation of said multiple objects that overlap said same spatial region at said different times in said combined page. Lowitz et al a method for analyzing the spatial and temporal aspects of a multimedia presentation by teaching wherein the said multiple objects overlap a same spatial region for presentation at different times and if so defining a separate page for an earlier presentation object that overlaps said same spatial region for a later presentation object to avoid a presentation of said multiple objects that overlap said same spatial region at said different times in said combined page (column 1, lines 30-38; column 2, lines 20-41; column 4, lines 8-22 & 57-67; column 5, lines 1-7, 34-42, & 61-67; column 6, lines 1-6; column 8, lines 35-55; column 9, lines 19-27; column 10, lines 5-23; column 11, lines 39-43 & 62-67; column 12, lines 1-20: i.e. Lowitz shows a method for printing time sequentially overlapping

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video frames in any preferred spatial layout and in any temporal sequence along with any other temporally corresponding objects such as time, audio, etc)(Figs. 6 & 7). It would have been obvious to one of ordinary skill in the art at the time of the invention for the temporal aspect of Furon et al, to have determined when said multiple objects overlap a same spatial region for presentation at different times and to print those objects on different pages, because Lowitz et al taught that by providing such printing functionality, Furon et al would gain the benefit of a cost-effective, flexible device that was independent of a specific printing device (column 2, lines 5-12) which would optimize the multimedia presentation on the printable medium (column 2, lines 24-42: “optimize...useful to video editors”). Thus a single multimedia message of Furon et al, that included video, could print the initial video frame with the initial corresponding text/audio on a combined page due to closeness in time as well as print the succeeding video frames on separate pages so that the user could be provided a readable representation of the multimedia message.

-In regard to dependent claims 2 and 12, Furon teaches a step for defining a temporal aspect by an onset time of each object in the presentation of said single message (Paragraph 1: “automatic layout is performed from analysis of various...messages....especially includes characteristics of time”; Paragraph 34: “selected messages 21, 23, 24 make up for example a story...successively in time” & “sequential analysis”; Paragraph 37: “relational analysis”).

-In regard to dependent claims 3, 13, 25, and 30, Furon teaches wherein from one to, in maximum, as many printable outputs are formed as there are printable objects in the presentation (Paragraph 40: “automatically lays out, on at least one page having a given format, the composite multimedia message” & “to perform a printing request....printing sheets less than or equal to the number...advantageously made”)(Fig. 4).

-In regard to dependent claims 4 and 14, Furon teaches wherein one or more objects are located in layout locations of the presentation (Paragraph 35: i.e. “semantic analysis”; Paragraph 37: i.e. “relational analysis”; Paragraph 40: “according to messages 38, 39, 40,.....as balloons”)(Fig. 4: e.g. 38, 39, 40 and 46, 47, 48).

-In regard to dependent claims 5, 15, 23, Furon teaches steps for studying a spatial aspect of each object by defining the layout location of each object of said single message (Paragraph 35: i.e. “semantic analysis”; Paragraph 37: i.e. “relational analysis”).

-In regard to dependent claims 6, 16, and 24, Furon teaches steps for combining objects into single output, if their layout locations differ from another (Paragraph 18: “layout if performed on one ore more pages”; Paragraph 40: “automatically lays out...six selected multimedia messages”)(Fig. 4), and otherwise keeping them on separated outputs (Paragraph 40: “When the composite....display per page”).

-In regard to dependent claim 7, Furon teaches printing said combined page or printing one or more of said separate pages (Paragraph 18: “layout performed on one or more page”; Paragraph 40: “The invention process thus enables...printing paper are thus advantageously made”).

-In regard to dependent claims 8 and 17, Furon teaches wherein the presentation is a multimedia message and an object is an appearance of a media object of one of the following group: editable text, non-editable text, image, animation, video, streaming video, audio converted to image or to text (Paragraph 28: “digital image, the text associated with said image and a sound or audio message”; Paragraph 31: “still or animated (video clip”).

-In regard to dependent claims 9, 21, and 27, Furon teaches wherein the printout was printed to a hard copy (Paragraph 29: “the printer 16 for example.....etc)(Fig. 1: 16).

-In regard to dependent claim 10, Furon teaches wherein the printable output forms a slide of a slide presentation (Fig. 4).

-In regard to dependent claims 18 and 26, Furon teaches means for communication through a wireless telecommunications network (Paragraph 29: “mobile terminal....for example GSM”)(Fig. 1).

-In regard to dependent claim 19, Furon teaches further comprising a camera (Paragraph 29: “cellphone equipped with a camera”).

-In regard to dependent claim 20, Furon teaches comprising means for displaying the presentation (Fig. 1: 18A: “display screen”; 16: “printer”).

-In regard to independent claim 31, Furon teaches a method for printing an electronic presentation, the method comprising steps for processing a presentation data (Paragraph 28: i.e. “multimedia messages”; Paragraph 34: “selected messages 21, 23, 24 make up for example a story...successively in time”), wherein the method comprises steps for forming at least one printable output (Paragraph 40: “a printer 16 produces the composite multimedia message”)(Fig. 1: 16; “printer”) from said electronic presentation of a single message (Paragraph 28: “of one...multimedia messages”) that comprises multiple objects (Paragraph 28: “digital image, the text associated with said image and a sound or audio message”; Paragraph 31: “an initial multimedia message comprises a digital image, and either at least one text message and/or one sound message....still or animated (video clip)”) with selected objects for presentation one after another in time and sometimes at the same time (i.e. text, audio, and still image presented at the same time, while the animated video was presented as images one after another in time), by defining combined page or separate pages for said printable objects (Paragraph 28: “automatic layout, on a single page, or even several pages, or one...multimedia messages”; Paragraph 40: “automatically lays out, on at least one page....composite multimedia message...from each transformed...message”) whereby the printable output

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was formable into said combined page or separate pages depending on removal of irrelevant objects (Paragraph 35; Paragraph 38: “only keeping one part of the text or text parts forming said initial messages” and “where the multimedia message comprises an image that is a video clip....determination...of a key image of said video clip...included in a composite...message”; Paragraph 39: “only the key parts of the initial messages are kept”), conversion of continuous objects into non-continuous objects (Paragraph 38: “where the multimedia message comprises an image that is a video clip....determination...of a key image of said video clip...included in a composite...message”), based on upon a temporal aspect (Paragraph 1: “automatic layout is performed from analysis of various...messages....especially includes characteristics of time”; Paragraph 34: “sequential analysis”) and spatial aspect for each of said multiple objects for use in said defining said combined page or separate pages (Paragraph 1: “automatic layout is performed from analysis of various...messages....especially includes characteristics of...contents, or even context”; Paragraph 35: “semantic analysis”; Paragraph 37: “relational analysis...correspondences to be established between images, texts, and sounds form each of the various selected...messages”), wherein the printout of the electronic presentation is delivered to the recipient and charged from the sender (Paragraph 18: “also the printing cost to be reduced...is selected”; Paragraph 29: “the server 14 communicates...with the printer....processing laboratories”; Paragraph 40: “perform a printing request...savings of printing paper are thus advantageously made”), including whether said multiple objects overlap (e.g. text and audio don't overlap, while video does overlap).

Furon et al does not specifically teach wherein the said multiple objects overlap a same spatial region for presentation at different times and if so defining a separate page for an earlier presentation object that overlaps said same spatial region for a later presentation object to avoid a presentation of said multiple objects that overlap said same spatial region at said different times in said combined page. Lowitz et al a method for analyzing the spatial and temporal aspects of a multimedia presentation by teaching wherein the said multiple objects overlap a same spatial region for presentation at different times and if so defining a separate page for an earlier presentation object that overlaps said same spatial region for a later presentation object to avoid a presentation of said multiple objects that overlap said same spatial region at said different times in said combined page (column 1, lines 30-38; column 2, lines 20-41; column 4, lines 8-22 & 57-67; column 5, lines 1-7, 34-42, & 61-67; column 6, lines 1-6; column 8, lines 35-55; column 9, lines 19-27; column 10, lines 5-23; column 11, lines 39-43 & 62-67; column 12, lines 1-20: i.e. Lowitz shows a method for printing time sequentially overlapping video frames in any preferred spatial layout and in any temporal sequence along with any other temporally corresponding objects such as time, audio, etc)(Figs. 6 & 7). It would have been obvious to one of ordinary skill in the art at the time of the invention for the temporal aspect of Furon et al, to have determined when the said multiple objects overlap a same spatial region for presentation at different times and to print those objects on different pages, because Lowitz et al taught that by providing such printing functionality, Furon et al would gain the benefit of a cost-effective, flexible device that was independent of a specific printing device (column 2, lines 5-12) which would optimize the multimedia presentation on the printable medium (column 2, lines 24-42:

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“optimize...useful to video editors”). Thus a single multimedia message of Furon et al, that included video, could print the initial video frame with the initial corresponding text/audio on a combined page due to closeness in time as well as print the succeeding video frames on separate pages so that the user could be provided a readable representation of the multimedia message.

-In regard to dependent claim 32, Furon teaches wherein the printout is in one of the following forms: a varying sized paper, a postcard, a fax, a photograph (Paragraph 29: “the printer 16 for example.....etc).

Response to Arguments

8. Applicant's arguments with respect to claims 1, 11, 22, 28, 29, and 31 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Please note the additionally cited prior art references on the accompanying PTO-892 Form.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adam L. Basehoar whose telephone number is (571)-272-4121. The examiner can normally be reached on M-F: 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Adam L Basechoar/
Primary Examiner, Art Unit 2178